(19) JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **61274829 A**

(43) Date of publication of application: **05.12.86**

(51) Int. Cl **B23P 21/00**
F01N 3/28

(21) Application number: **60116284**

(22) Date of filing: **29.05.85**

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(54) ASSEMBLY METHOD OF CATALYTIC CONVERTER

(57) Abstract:

PURPOSE: To make it possible to prevent catalytic carrier bodies from breakage by constituting a shell with both ends of built-in assembled bodies fixed to the inner faces of both half bodies of a shell remaining the built-in assembled bodies compressed at a constant load in their axial direction and with both half bodies of the shell welded to be combined.

CONSTITUTION: With the opposed ends of catalytic carrier bodies 2 lying next to each other, elastic rings 13 are brought into contact, between which a set plate 14 is provided. And with the peripheral edge sections of the end faces at the sides where both catalytic carrier bodies 2 are separated from each other, the elastic rings are brought into contact which are supported by end face set plates 15 fixed to the inner faces of both ends of a shell3 in their axial direction. And each part to be contained in the shell 3 is collected in assembling a catalytic converter composing built-in assembled bodies 16. That is, the built-in assembled bodies 16 are composed in such a way that the elastic rings 13, catalytic carrier bodies 2, elastic rings 13, and end face set plates 15 are brought into contact with both sides the set plate 14 at the middle in order respectively.

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